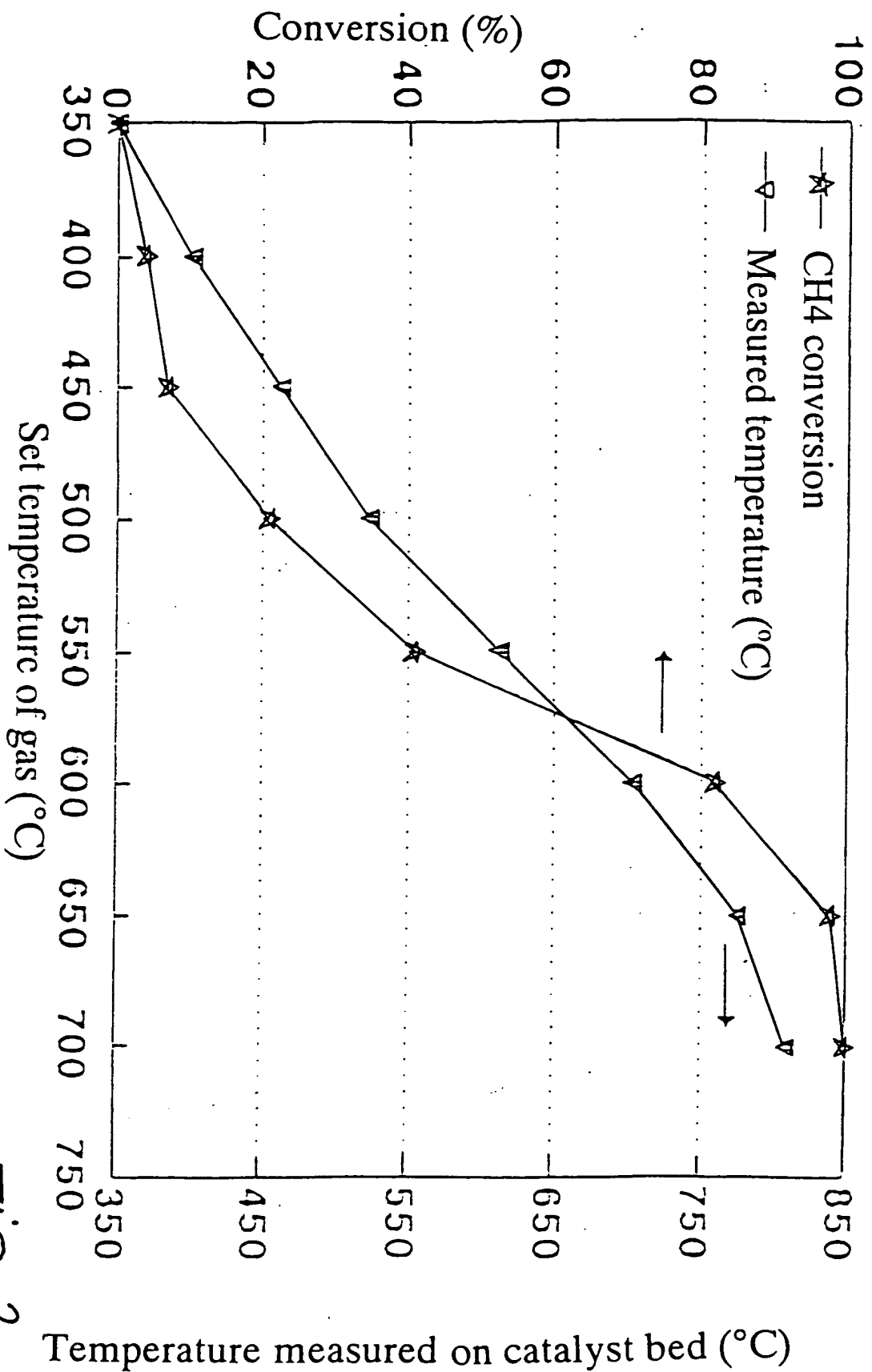


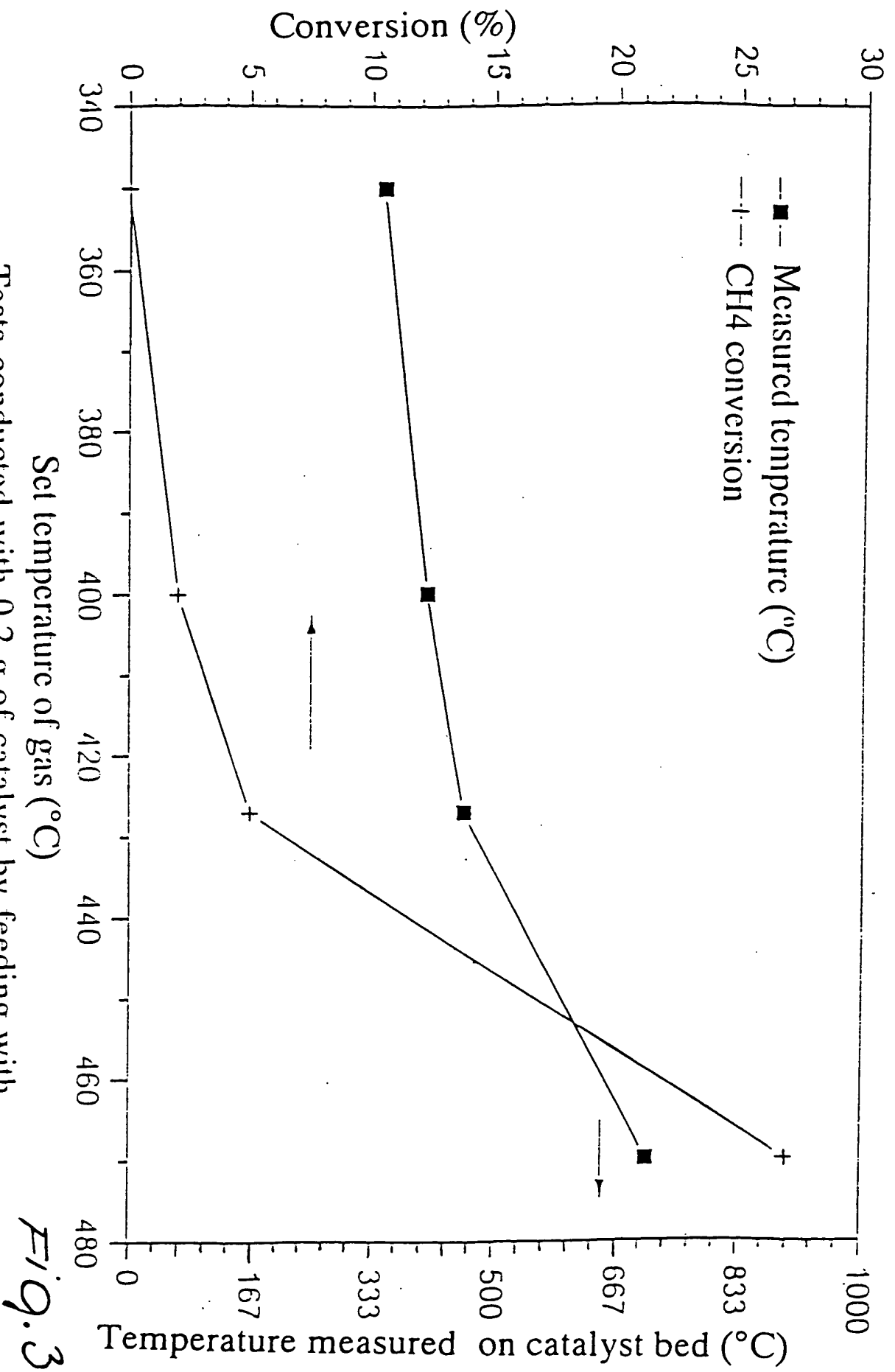
Tests conducted with 0.5 g of catalyst by feeding with
700 ml/min air and 15 ml/min methane

Fig. 1



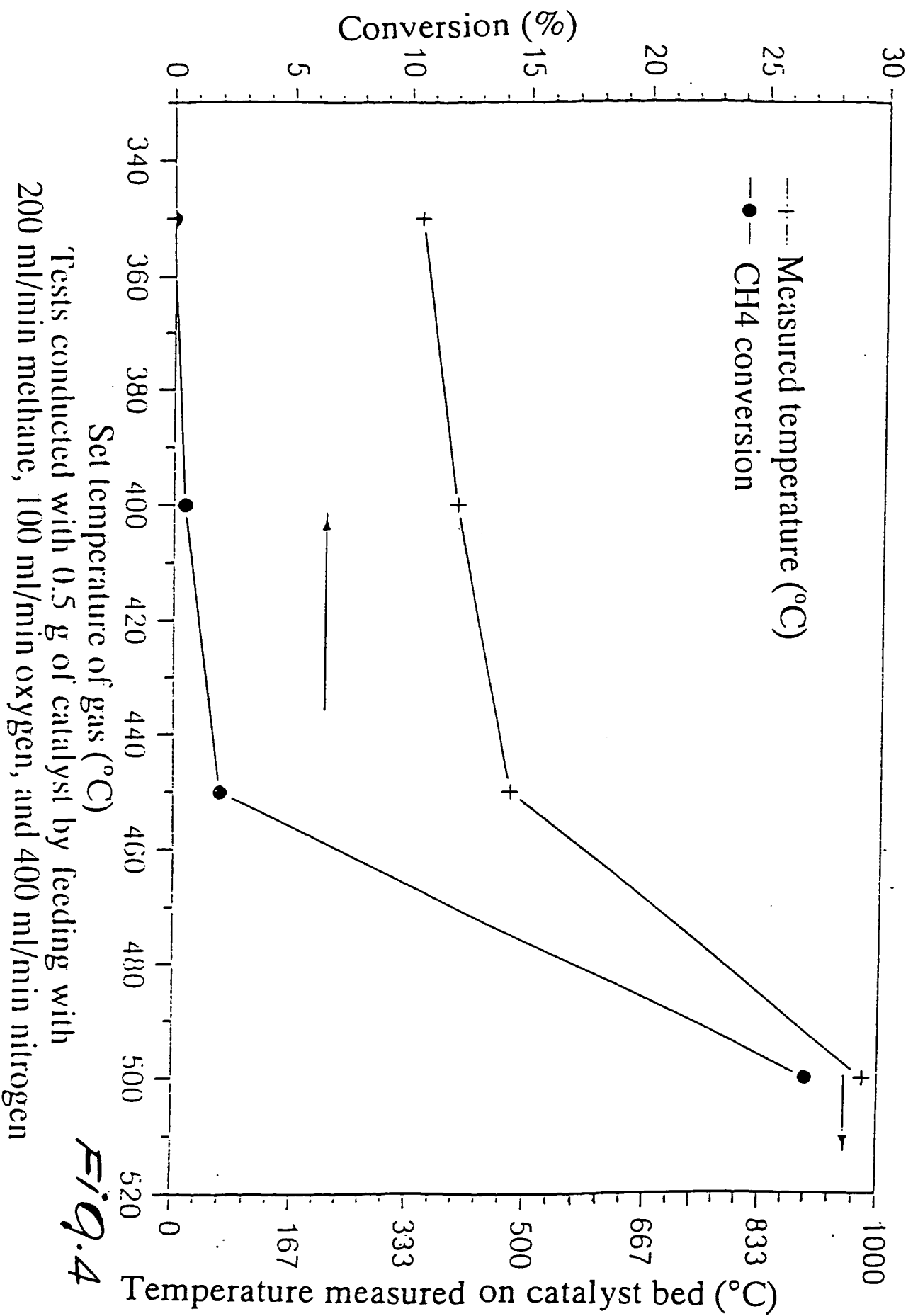
Tests conducted with 0.5 g of catalyst by feeding with
700 ml/min air and 15 ml/min methane

Fig. 2



Tests conducted with 0.2 g of catalyst by feeding with
 60 ml/min methane, 30 ml/min oxygen, and 600 ml/min nitrogen

Fig. 3



12% catalyst on porous alumina

amount of catalyst: 0.5 g

Stream (CO-O₂-N₂ = 1.5-94) = 420 ml/min

GHSV = 50000 h⁻¹

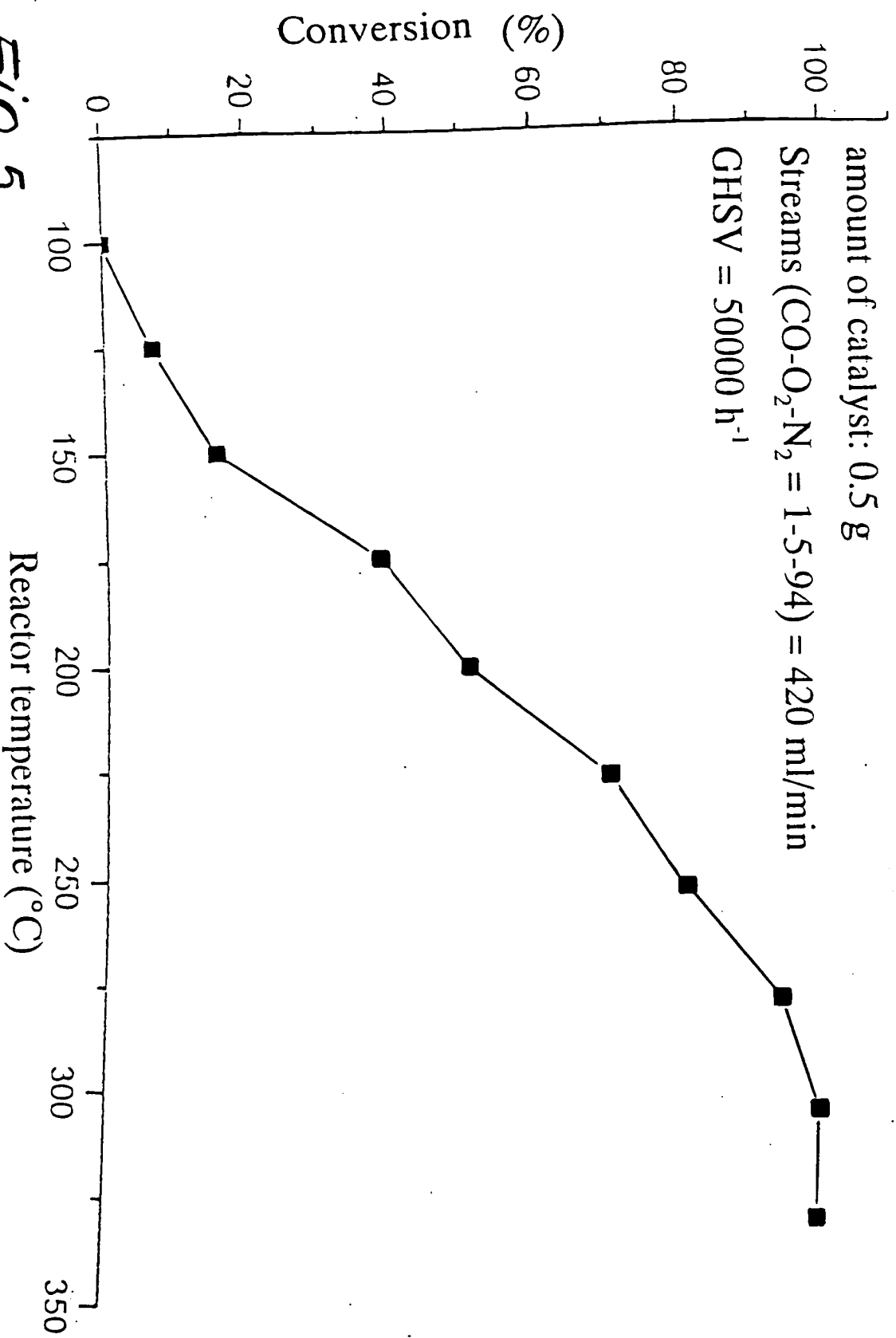


Fig. 5

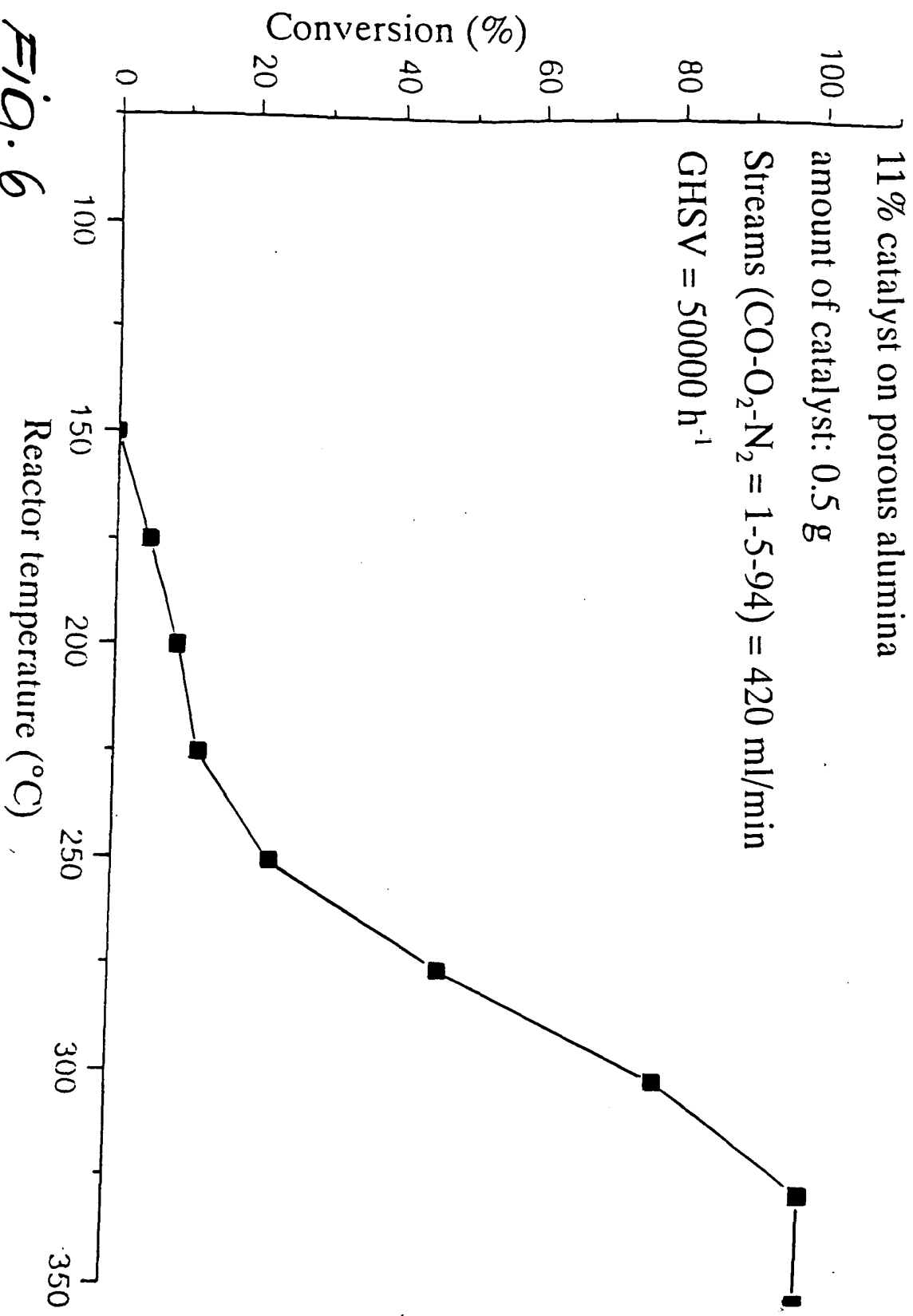


Fig. 6